Pediatric Asthma Prevalence per 100 Students for Males and Females Combined
for School Years 2009-2010 to 2016-2017 by Community

Braintree

School Year	Student Case Count	Student Enrollment Count	Prevalence	95% Confidence Interval	Statistical Significance	Stability
2009-2010	498	4,143	12.0	11.0 - 13.1	Not statistically significantly different	
2010-2011	477	4,200	11.4	10.3 - 12.4	Not statistically significantly different	
2011-2012	499	4,204	11.9	10.8 - 12.9	Not statistically significantly different	
2012-2013	466	4,250	11.0	10.0 - 12.0	Statistically significantly lower	
2013-2014	492	4,294	11.5	10.4 - 12.5	Not statistically significantly different	
2014-2015	463	4,250	10.9	9.9 - 11.9	Statistically significantly lower	
2015-2016	521	4,291	12.1	11.1 - 13.2	Not statistically significantly different	
2016-2017	528	4,277	12.3	11.3 - 13.4	Not statistically significantly different	
Braintree - Annual Average	493	4,239	11.6	11.3 - 12.0	Statistically significantly lower	

Hingham

School Year	Student Case Count	Student Enrollment Count	Prevalence	95% Confidence Interval	Statistical Significance	Stability
2009-2010	276	2,873	9.6	8.5 - 10.7	Statistically significantly lower	
2010-2011	307	3,231	9.5	8.4 - 10.6	Statistically significantly lower	
2011-2012	316	3,277	9.6	8.6 - 10.7	Statistically significantly lower	
2012-2013	316	3,287	9.6	8.6 - 10.7	Statistically significantly lower	
2013-2014	325	3,120	10.4	9.3 - 11.5	Statistically significantly lower	
2014-2015	244	3,303	7.4	6.5 - 8.3	Statistically significantly lower	
2015-2016	337	3,337	10.1	9.0 - 11.2	Statistically significantly lower	
2016-2017	313	3,385	9.2	8.2 - 10.3	Statistically significantly lower	
Hingham - Annual Average	304	3,227	9.4	9.1 - 9.8	Statistically significantly lower	

Quincy

School Year	Student Case Count	Student Enrollment Count	Prevalence	95% Confidence Interval	Statistical Significance	Stability
2009-2010	735	6,740	10.9	10.1 - 11.7	Not statistically significantly different	
2010-2011	726	6,890	10.5	9.8 - 11.3	Statistically significantly lower	
2011-2012	814	6,977	11.7	10.9 - 12.5	Not statistically significantly different	
2012-2013	748	7,040	10.6	9.9 - 11.4	Statistically significantly lower	
2013-2014	745	7,167	10.4	9.6 - 11.1	Statistically significantly lower	
2014-2015	804	7,112	11.3	10.5 - 12.1	Statistically significantly lower	
2015-2016	730	6,988	10.4	9.7 - 11.2	Statistically significantly lower	
2016-2017	584	7,069	8.3	7.6 - 8.9	Statistically significantly lower	
Quincy - Annual Average	736	6,998	10.5	10.2 - 10.8	Statistically significantly lower	

Weymouth

School Year	Student Case Count	Student Enrollment Count	Prevalence (%)	95% Confidence Interval	Statistical Significance	Stability
2009-2010	643	5,333	12.1	11.1 - 13.0	Not statistically significantly different	
2010-2011	704	5,383	13.1	12.1 - 14.0	Statistically significantly higher	
2011-2012	752	5,372	14.0	13.0 - 15.0	Statistically significantly higher	
2012-2013	703	5,328	13.2	12.2 - 14.2	Statistically significantly higher	
2013-2014	650	5,317	12.2	11.3 - 13.2	Not statistically significantly different	
2014-2015	641	5,224	12.3	11.3 - 13.2	Not statistically significantly different	
2015-2016	586	5,098	11.5	10.6 - 12.4	Not statistically significantly different	
2016-2017	561	4,933	11.4	10.4 - 12.3	Not statistically significantly different	

Weymouth - Annual Average	655	5,249	12.5	12.1 - 12.8	Statistically significantly higher	

Statewide

School Year	Student Case Count	Student Enrollment Count	Prevalence	95% Confidence Interval
2009-2010	80,440	696,904	11.5	11.4 - 11.6
2010-2011	80,948	693,338	11.7	11.6 - 11.8
2011-2012	82,548	691,614	11.9	11.8 - 12.0
2012-2013	83,568	691,060	12.1	12.0 - 12.2
2013-2014	85,364	689,300	12.4	12.3 - 12.5
2014-2015	83,854	685,649	12.2	12.1 - 12.3
2015-2016	84,230	681,295	12.4	12.3 - 12.5
2016-2017	82,279	679,336	12.1	12.0 - 12.2
Statewide - Annual Average	**82,904**	**688,562**	**12**	**12.0 - 12.1**

· U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution.

· NS indicates number/prevalence not shown due to small numbers. These data are suppressed for confidentiality reasons.

· NA indicates insufficient school enrollment data available to calculate prevalence. NA for both student case count and student enrollment may indicate the school location is no longer in use, or prevalence could not be calculated due to a data collection issue

· School list is based on the current data provided by the Massachusetts Department of Education http://www.doe.mass.edu/

· Asthma prevalence is only for children enrolled in grades Kindergarten through 8th grade.

· Community prevalence is based on the residential address of the student.

· When comparing prevalence across geographic areas, a variety of non-environmental factors can impact asthma prevalence.

· Statistical significance indicates that prevalence is different from the state prevalence and the difference is unlikely due to chance.

· 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the "rule of three." This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero.

· Data source: Bureau of Environmental Health Massachusetts Department of Public Health.

· Numbers and prevalence may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating prevalence and updates in population estimates

Pediatric Asthma Prevalence per 100 Students for Males and Females Combined
for School Years 2009-2010 to 2016-2017 by School (within 2km radius of proposed compressor station)

Quincy - Public - Clifford H Marshall Elementary

School Year	Student Case Count	Student Enrollment Count	Prevelance	95% Confidence Interval	Statistical Significance	Stability
2009-2010	35	535	6.5	4.3 - 8.7	Statistically significantly lower	
2010-2011	28	530	5.3	3.3 - 7.3	Statistically significantly lower	
2011-2012	61	563	10.8	8.1 - 13.5	Not statistically significantly different	
2012-2013	63	559	11.3	8.5 - 14.1	Not statistically significantly different	
2013-2014	67	577	11.6	8.8 - 14.4	Not statistically significantly different	
2014-2015	86	575	15	11.8 - 18.2	Not statistically significantly different	
2015-2016	86	577	14.9	11.8 - 18.0	Not statistically significantly different	
2016-2017	93	575	16.2	12.9 - 19.5	Statistically significantly higher	
School Annual Average	65	561	11.6	10.6 - 12.6	Not statistically significantly different	

Quincy - Private - Mutanafisun Academy

School Year	Student Case Count	Student Enrollment Count	Prevelance	95% Confidence Interval	Statistical Significance	Stability
2009-2010	0	NA	NC	NC	NC	
2010-2011	0	NA	NC	NC	NC	
2011-2012	0	NA	NC	NC	NC	
2012-2013	0	33	0	0 - 19.4	Not statistically significantly different	Unstable
2013-2014	0	33	0	0 - 19.4	Not statistically significantly different	Unstable
2014-2015	NS	37	NS	NS	NS	
2015-2016	0	27	0	0 - 23.7	Not statistically significantly different	Unstable
2016-2017	NS	50	NS	NS	NS	
School Annual Average	0	22	1.1	0.0 - 2.7	Not statistically significantly different	

Quincy - Public - Snug Harbor Community School

School Year	Student Case Count	Student Enrollment Count	Prevelance	95% Confidence Interval	Statistical Significance	Stability
2009-2010	30	252	11.9	7.6 - 16.2	Not statistically significantly different	
2010-2011	31	285	10.9	7.1 - 14.7	Not statistically significantly different	
2011-2012	30	288	10.4	6.7 - 14.1	Not statistically significantly different	
2012-2013	25	291	8.6	5.2 - 12.0	Statistically significantly lower	
2013-2014	26	311	8.4	5.2 - 11.6	Statistically significantly lower	
2014-2015	40	300	13.3	9.2 - 17.4	Not statistically significantly different	
2015-2016	46	302	15.2	10.8 - 19.6	Not statistically significantly different	
2016-2017	43	303	14.2	10.0 - 18.4	Not statistically significantly different	
School Annual Average	34	292	11.6	10.2 - 13.0	Not statistically significantly different	

Weymouth - Private - St Jerome Elementary

School Year	Student Case Count	Student Enrollment Count	Prevelance	95% Confidence Interval	Statistical Significance	Stability
2009-2010	17	184	9.2	4.8 - 13.6	Not statistically significantly different	
2010-2011	15	188	8	4.0 - 12.0	Not statistically significantly different	
2011-2012	15	174	8.6	4.2 - 13.0	Not statistically significantly different	
2012-2013	15	179	8.4	4.1 - 12.7	Not statistically significantly different	
2013-2014	12	159	7.5	3.3 - 11.7	Statistically significantly lower	
2014-2015	13	157	8.3	3.8 - 12.8	Not statistically significantly different	
2015-2016	9	149	6	2.1 - 9.9	Statistically significantly lower	Unstable
2016-2017	11	145	7.6	3.1 - 12.1	Not statistically significantly different	Unstable
School Annual Average	13	167	8	6.5 - 9.5	Statistically significantly lower	

Pediatric Asthma Prevalence per 100 Students for Males and Females Combined
for School Years 2009-2010 to 2016-2017 by School (within 2km radius of proposed compressor station)

Weymouth - Public - Wessagusset

School Year	Student Case Count	Student Enrollment Count	Prevelance	95% Confidence Interval	Statistical Significance	Stability
2009-2010	33	405	8.1	5.3 - 10.9	Statistically significantly lower	
2010-2011	46	387	11.9	8.5 - 15.3	Not statistically significantly different	
2011-2012	40	375	10.7	7.4 - 14.0	Not statistically significantly different	
2012-2013	77	361	21.3	16.5 - 26.1	Statistically significantly higher	
2013-2014	50	353	14.2	10.3 - 18.1	Not statistically significantly different	
2014-2015	38	348	10.9	7.4 - 14.4	Not statistically significantly different	
2015-2016	21	330	6.4	3.7 - 9.1	Statistically significantly lower	
2016-2017	21	294	7.1	4.1 - 10.1	Statistically significantly lower	
School Annual Average	41	357	11.4	10.2 - 12.7	Not statistically significantly different	

Statewide

School Year	Student Case Count	Student Enrollment Count	Prevelance	95% Confidence Interval
2009-2010	80,440	696,904	11.5	11.4 - 11.6
2010-2011	80,948	693,338	11.7	11.6 - 11.8
2011-2012	82,548	691,614	11.9	11.8 - 12.0
2012-2013	83,568	691,060	12.1	12.0 - 12.2
2013-2014	85,364	689,300	12.4	12.3 - 12.5
2014-2015	83,854	685,649	12.2	12.1 - 12.3
2015-2016	84,230	681,295	12.4	12.3 - 12.5
2016-2017	82,279	679,336	12.1	12.0 - 12.2
Statewide - Annual Average	**82,904**	**688,562**	**12**	**12.0 - 12.1**

· U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution.

· NS indicates number/prevalence not shown due to small numbers. These data are suppressed for confidentiality reasons.

· NA indicates insufficient school enrollment data available to calculate prevalence. NA for both student case count and student enrollment may indicate the school location is no longer in use, or prevalence could not be calculated due to a data collection issue

· School list is based on the current data provided by the Massachusetts Department of Education http://www.doe.mass.edu/

· Asthma prevalence is only for children enrolled in grades Kindergarten through 8th grade.

· School prevalence is based on the school attended by the student.

· When comparing prevalence across geographic areas, a variety of non-environmental factors can impact asthma prevalence.

· Statistical significance indicates that prevalence is different from the state prevalence and the difference is unlikely due to chance.

· 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the "rule of three." This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero.

· Data source: Bureau of Environmental Health Massachusetts Department of Public Health.

· Numbers and prevalence may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating prevalence and updates in population estimates

Age Adjusted Rates of Hospital Admission for Asthma per 10,000 People,
for Males and Females Combined for 2000 - 2014 by Community

Braintree

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	44	13.0	12.1	8.5 - 15.7	Not statistically significantly different	
2001	36	10.6	10.6	7.1 - 14.1	Not statistically significantly different	
2002	39	11.4	10.8	7.4 - 14.2	Not statistically significantly different	
2003	43	12.5	12.7	8.9 - 16.5	Not statistically significantly different	
2004	49	14.2	13.4	9.6 - 17.1	Not statistically significantly different	
2005	32	9.2	8.3	5.4 - 11.2	Statistically significantly lower	
2006	45	12.9	11.7	8.3 - 15.2	Not statistically significantly different	
2007	53	15.1	14.3	10.4 - 18.1	Not statistically significantly different	
2008	46	13.0	12.5	8.9 - 16.1	Not statistically significantly different	
2009	59	16.6	15.2	11.3 - 19.0	Not statistically significantly different	
2010	52	14.6	14.2	10.3 - 18.0	Not statistically significantly different	
2011	70	19.3	19.0	14.6 - 23.5	Not statistically significantly different	
2012	37	10.1	9.4	6.4 - 12.5	Statistically significantly lower	
2013	42	11.3	11.2	7.8 - 14.6	Not statistically significantly different	
2014	42	11.1	11.4	8.0 - 14.9	Not statistically significantly different	
Braintree - Annual Average	46	13.0	12.5	11.5 - 13.4	Statistically significantly lower	

Hingham

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	NS	NS	NS	NS	NS	
2001	21	10.4	9.2	5.3 - 13.1	Not statistically significantly different	
2002	14	6.9	6.6	3.1 - 10.0	Statistically significantly lower	
2003	11	5.4	4.5	1.2 - 7.1	Statistically significantly lower	Unstable
2004	14	6.7	6.3	3.0 - 9.6	Statistically significantly lower	
2005	24	11.4	9.5	5.7 - 13.3	Statistically significantly lower	
2006	11	5.2	4.9	2.0 - 7.7	Statistically significantly lower	Unstable
2007	19	8.9	7.7	4.3 - 11.2	Statistically significantly lower	
2008	22	10.1	8.6	5.0 - 12.2	Statistically significantly lower	
2009	16	7.3	6.1	3.1 - 9.1	Statistically significantly lower	
2010	27	12.2	9.1	5.7 - 12.6	Statistically significantly lower	
2011	22	9.8	9.4	5.5 - 13.4	Statistically significantly lower	
2012	13	5.8	4.9	2.2 - 7.6	Statistically significantly lower	
2013	18	7.9	6.0	3.2 - 8.7	Statistically significantly lower	
2014	NS	NS	NS	NS	NS	
Hingham - Annual Average	16	7.6	6.6	5.8 - 7.5	Statistically significantly lower	

Quincy

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	111	12.6	12.5	10.2 - 14.8	Not statistically significantly different	
2001	117	13.2	13.4	10.9 - 15.8	Not statistically significantly different	
2002	104	11.7	12.1	9.8 - 14.5	Not statistically significantly different	
2003	136	15.2	15.7	13.0 - 18.3	Not statistically significantly different	
2004	108	12.0	12.1	9.8 - 14.3	Not statistically significantly different	
2005	131	14.5	14.5	12.0 - 17.0	Not statistically significantly different	

2006	141	15.6	16.0	13.3 - 18.6	Not statistically significantly different	
2007	105	11.5	11.4	9.2 - 13.5	Statistically significantly lower	
2008	121	13.2	13.1	10.7 - 15.4	Statistically significantly lower	
2009	123	13.4	13.9	11.4 - 16.3	Not statistically significantly different	
2010	114	12.4	12.4	10.1 - 14.7	Statistically significantly lower	
2011	119	12.7	12.3	10.1 - 14.5	Statistically significantly lower	
2012	89	9.4	9.7	7.7 - 11.8	Statistically significantly lower	
2013	82	8.6	8.5	6.7 - 10.3	Statistically significantly lower	
2014	104	10.7	10.4	8.4 - 12.4	Not statistically significantly different	
Quincy - Annual Average	114	12.4	12.5	11.9 - 13.1	Statistically significantly lower	

Weymouth

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	72	13.3	13.1	10.0 - 16.1	Not statistically significantly different	
2001	67	12.4	12.0	9.2 - 14.9	Not statistically significantly different	
2002	70	13.0	13.1	10.0 - 16.1	Not statistically significantly different	
2003	77	14.3	14.0	10.9 - 17.1	Not statistically significantly different	
2004	71	13.2	12.7	9.7 - 15.6	Not statistically significantly different	
2005	86	16.0	15.6	12.3 - 18.9	Not statistically significantly different	
2006	75	13.9	13.9	10.8 - 17.0	Not statistically significantly different	
2007	70	13.0	13.1	10.1 - 16.2	Not statistically significantly different	
2008	110	20.5	21.1	17.2 - 25.1	Statistically significantly higher	
2009	100	18.6	18.2	14.7 - 21.8	Not statistically significantly different	
2010	101	18.8	19.6	15.8 - 23.4	Not statistically significantly different	
2011	89	16.4	17.3	13.7 - 20.9	Not statistically significantly different	
2012	89	16.3	16.5	13.1 - 19.9	Not statistically significantly different	
2013	73	13.3	13.0	10.0 - 16.0	Not statistically significantly different	
2014	92	16.7	16.0	12.7 - 19.3	Statistically significantly higher	
Weymouth - Annual Average	83	15.3	15.3	14.4 - 16.1	Statistically significantly higher	

State Wide

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals
2000	8,039	12.7	12.6	12.3 - 12.9
2001	8,287	13.0	13.1	12.8 - 13.4
2002	8,084	12.7	12.8	12.5 - 13.1
2003	9,945	15.5	15.7	15.4 - 16.0
2004	8,855	13.8	13.8	13.5 - 14.1
2005	9,062	14.1	14.1	13.8 - 14.4
2006	9,491	14.7	14.7	14.4 - 15.0
2007	9,385	14.5	14.5	14.2 - 14.8
2008	10,311	15.8	15.9	15.6 - 16.2
2009	10,577	16.2	16.0	15.7 - 16.3
2010	10,133	15.5	15.5	15.2 - 15.8
2011	9,928	15.0	15.0	14.7 - 15.3
2012	8,852	13.3	13.4	13.1 - 13.7
2013	7,957	11.8	11.9	11.6 - 12.2
2014	8,172	12.0	11.9	11.6 - 12.2

Age Adjusted Rates of Hospital Admission for Asthma per 10,000 People,
for Males and Females Combined for 2000 - 2014 by Community

Statewide - Annual Average	**9,139**	**14.0**	**14.1**	**14.0 - 14.1**

· U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution.

· 95% confidence intervals are calculated using the age adjusted rate when it is displayed in the report.

· NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is ≤10.

· 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the "rule of three." This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero.

· Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates.

· Data source: Center for Health Information and Statistics (CHIA)

· Population estimates for 2000 and 2010 are from the U.S. Decennial Census. Inter-censal year estimates for 2001 through 2009 were created by linear interpolation of U.S. Decennial Census data. Post-censal year estimates for 2011 to present were created by the UMass Donahue Institute.

Age Adjusted Rates of Emergency Department Visits for Asthma per 10,000 People,
for Males and Females Combined for 2002 - 2014 by Community

Braintree

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2002	139	40.6	42.6	35.5 - 49.7	Statistically significantly lower	
2003	165	48.0	52.3	44.3 - 60.3	Statistically significantly lower	
2004	176	50.9	54.3	46.3 - 62.4	Statistically significantly lower	
2005	173	49.7	53.1	45.2 - 61.0	Statistically significantly lower	
2006	153	43.7	47.3	39.8 - 54.8	Statistically significantly lower	
2007	132	37.5	39.3	32.6 - 46.0	Statistically significantly lower	
2008	127	35.9	38.4	31.7 - 45.0	Statistically significantly lower	
2009	181	50.9	53.8	45.9 - 61.6	Statistically significantly lower	
2010	134	37.5	39.2	32.6 - 45.9	Statistically significantly lower	
2011	185	51.0	53.0	45.4 - 60.7	Statistically significantly lower	
2012	162	44.0	47.0	39.7 - 54.2	Statistically significantly lower	
2013	169	45.3	49.6	42.1 - 57.0	Statistically significantly lower	
2014	201	53.3	58.3	50.3 - 66.4	Statistically significantly lower	
Braintree - Annual Average	161	45.3	48.3	46.2 - 50.4	Statistically significantly lower	

Hingham

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2002	49	24.1	24.2	17.4 - 30.9	Statistically significantly lower	
2003	55	26.7	30.3	22.3 - 38.3	Statistically significantly lower	
2004	66	31.7	31.9	24.2 - 39.6	Statistically significantly lower	
2005	71	33.8	33.8	25.9 - 41.7	Statistically significantly lower	
2006	35	16.5	18.7	12.5 - 24.9	Statistically significantly lower	
2007	60	27.9	31.1	23.2 - 39.0	Statistically significantly lower	
2008	50	23.0	23.4	16.9 - 29.9	Statistically significantly lower	
2009	51	23.3	26.5	19.2 - 33.8	Statistically significantly lower	
2010	55	24.8	26.0	19.1 - 32.9	Statistically significantly lower	
2011	49	21.9	23.1	16.6 - 29.5	Statistically significantly lower	
2012	46	20.4	22.3	15.9 - 28.8	Statistically significantly lower	
2013	51	22.4	22.9	16.6 - 29.2	Statistically significantly lower	
2014	41	17.9	18.7	13.00- 24.5	Statistically significantly lower	
Hingham - Annual Average	52	24.1	25.6	23.7 - 27.5	Statistically significantly lower	

Quincy

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2002	492	55.4	58.3	53.2 - 63.5	Statistically significantly lower	
2003	533	59.7	64.6	59.1 - 70.1	Statistically significantly lower	
2004	529	59.0	63.6	58.2 - 69.0	Statistically significantly lower	
2005	522	57.9	61.9	56.6 - 67.2	Statistically significantly lower	
2006	567	62.6	66.4	61.0 - 71.9	Statistically significantly lower	
2007	500	54.9	57.5	52.5 - 62.5	Statistically significantly lower	
2008	504	55.1	57.8	52.7 - 62.8	Statistically significantly lower	
2009	503	54.8	58.6	53.5 - 63.7	Statistically significantly lower	
2010	472	51.2	54.3	49.4 - 59.2	Statistically significantly lower	
2011	478	51.1	53.9	49.1 - 58.7	Statistically significantly lower	
2012	484	51.1	55.1	50.2 - 60.0	Statistically significantly lower	

2013	458	47.8	50.9	46.3 - 55.6	Statistically significantly lower	
2014	498	51.4	55.8	50.9 - 60.7	Statistically significantly lower	
Quincy - Annual Average	503	54.7	58.4	57.0 - 58.0	Statistically significantly lower	

Weymouth

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2002	260	48.2	50.4	44.2 - 56.5	Statistically significantly lower	
2003	249	46.2	47.7	41.8 - 53.7	Statistically significantly lower	
2004	299	55.5	58.1	51.5 - 64.7	Statistically significantly lower	
2005	350	65.0	68.8	61.6 - 76.0	Not statistically significantly different	
2006	275	51.1	54.7	48.2 - 61.1	Statistically significantly lower	
2007	265	49.2	53.5	47.0 - 59.9	Statistically significantly lower	
2008	342	63.6	68.5	61.3 - 75.8	Statistically significantly lower	
2009	344	64.0	68.2	61.0 - 75.4	Statistically significantly lower	
2010	341	63.4	69.4	62.0 - 76.7	Not statistically significantly different	
2011	324	59.7	65.7	58.6 - 72.9	Not statistically significantly different	
2012	348	63.7	68.9	61.6 - 76.1	Not statistically significantly different	
2013	354	64.3	70.1	62.8 - 77.4	Not statistically significantly different	
2014	406	73.5	80.1	72.3 - 87.9	Statistically significantly higher	
Weymouth - Annual Average	320	59.1	63.4	61.5 - 65.3	Statistically significantly lower	

State Wide

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals
2002	47,478	74.3	75.7	75.0 - 76.4
2003	51,063	79.7	81.6	80.9 - 82.3
2004	45,147	70.2	72.0	71.3 - 72.7
2005	46,020	71.4	73.3	72.6 - 74.0
2006	47,119	72.8	75.2	74.5 - 75.9
2007	45,486	70.1	72.8	72.1 - 73.5
2008	49,066	75.4	78.4	77.7 - 79.1
2009	47,869	73.3	76.3	75.6 - 77.0
2010	43,884	67.0	70.1	69.4 - 70.8
2011	45,152	68.2	71.6	70.9 - 72.3
2012	46,284	69.3	73.0	72.3 - 73.7
2013	43,897	65.2	68.7	68.1 - 69.3
2014	45,371	66.8	70.8	70.1 - 71.5
Statewide - Annual Average	**46,449**	**71.0**	**73.8**	**73.6 - 74.0**

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· NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is ≤10.

· 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the "rule of three." This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero.

· Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates.

· Data source: Center for Health Information and Statistics (CHIA)

· Population estimates for 2000 and 2010 are from the U.S. Decennial Census. Inter-censal year estimates for 2001 through 2009 were created by linear interpolation of U.S. Decennial Census data. Post-censal year estimates for 2011 to present were created by the UMass Donahue Institute.

Age Adjusted Rates of Hospital Admission for COPD per 10,000 People,
for Males and Females Combined for 2000 - 2014 by Community

Braintree

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	98	40.8	32.8	26.3 - 39.3	Not statistically significantly different	
2001	112	46.4	37.2	30.3 - 44.1	Not statistically significantly different	
2002	96	39.5	32.3	25.8 - 38.7	Not statistically significantly different	
2003	109	44.7	35.6	28.9 - 42.2	Not statistically significantly different	
2004	117	47.7	37.8	30.9 - 44.6	Statistically significantly higher	
2005	110	44.6	35.5	28.9 - 42.1	Statistically significantly higher	
2006	90	36.3	28.3	22.5 - 34.2	Not statistically significantly different	
2007	107	43.0	34.5	28.0 - 41.1	Statistically significantly higher	
2008	127	50.8	41.1	33.9 - 48.2	Statistically significantly higher	
2009	130	51.7	40.5	33.5 - 47.4	Statistically significantly higher	
2010	125	49.5	40.4	33.3 - 47.5	Statistically significantly higher	
2011	139	54.3	43.9	36.6 - 51.2	Statistically significantly higher	
2012	123	47.4	36.6	30.1 - 43.1	Not statistically significantly different	
2013	94	35.8	29.0	23.2 - 34.9	Not statistically significantly different	
2014	92	34.7	28.9	23.0 - 34.9	Not statistically significantly different	
Braintree - Annual Average	111	44.5	35.6	33.9 - 37.3	Statistically significantly higher	

Hingham

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	31	22.9	20.5	13.3 - 27.7	Statistically significantly lower	
2001	44	32.2	28.3	19.9 - 36.6	Not statistically significantly different	
2002	36	26.0	22.4	15.1 - 29.7	Not statistically significantly different	
2003	32	22.8	19.1	12.5 - 25.7	Statistically significantly lower	
2004	28	19.7	14.4	9.0 - 19.7	Statistically significantly lower	
2005	41	28.6	20.6	14.3 - 26.9	Statistically significantly lower	
2006	29	20.0	15.8	10.0 - 21.5	Statistically significantly lower	
2007	22	15.0	10.1	5.9 - 14.3	Statistically significantly lower	
2008	53	35.7	19.6	14.3 - 24.8	Statistically significantly lower	
2009	47	31.3	20.0	14.3 - 25.7	Statistically significantly lower	
2010	44	28.9	18.5	13.1 - 24.0	Statistically significantly lower	
2011	49	31.9	19.4	13.9 - 24.8	Statistically significantly lower	
2012	38	24.5	15.4	10.5 - 20.2	Statistically significantly lower	
2013	41	26.1	15.2	10.5 - 19.8	Statistically significantly lower	
2014	33	20.8	12.5	8.2 - 16.7	Statistically significantly lower	
Hingham - Annual Average	38	25.8	18.1	16.6 - 19.6	Statistically significantly lower	

Quincy

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	303	46.2	44.5	39.4 - 49.5	Statistically significantly higher	
2001	304	46.1	43.5	38.6 - 48.4	Statistically significantly higher	
2002	256	38.7	36.4	32.0 - 40.9	Statistically significantly higher	
2003	302	45.4	42.3	37.5 - 47.0	Statistically significantly higher	
2004	345	51.6	48.6	43.5 - 53.7	Statistically significantly higher	
2005	340	50.6	47.7	42.7 - 52.8	Statistically significantly higher	
2006	282	41.7	40.3	35.6 - 45.0	Statistically significantly higher	

2007	286	42.1	40.1	35.4 - 44.7	Statistically significantly higher	
2008	353	51.7	49.0	43.9 - 54.1	Statistically significantly higher	
2009	352	51.3	48.7	43.7 - 53.8	Statistically significantly higher	
2010	304	44.1	41.3	36.6 - 45.9	Statistically significantly higher	
2011	299	42.7	39.8	35.3 - 44.3	Statistically significantly higher	
2012	259	36.5	34.8	30.6 - 39.1	Statistically significantly higher	
2013	220	30.6	28.4	24.7 - 32.2	Not statistically significantly different	
2014	224	30.8	28.4	24.7 - 32.1	Not statistically significantly different	
Quincy - Annual Average	295	43.2	40.9	39.7 - 42.1	Statistically significantly higher	

Weymouth

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	189	49.0	46.1	39.6 - 52.7	Statistically significantly higher	
2001	176	45.6	42.3	36.1 - 48.6	Statistically significantly higher	
2002	164	42.5	39.5	33.4 - 45.5	Statistically significantly higher	
2003	194	50.2	46.5	40.0 - 53.1	Statistically significantly higher	
2004	166	43.0	39.2	33.2 - 45.1	Statistically significantly higher	
2005	175	45.3	41.4	35.3 - 47.6	Statistically significantly higher	
2006	149	38.6	34.8	29.2 - 40.3	Statistically significantly higher	
2007	157	40.6	37.1	31.3 - 42.9	Statistically significantly higher	
2008	228	58.9	53.0	46.1 - 59.8	Statistically significantly higher	
2009	208	53.8	47.7	41.3 - 54.2	Statistically significantly higher	
2010	216	55.8	49.1	42.5 - 55.6	Statistically significantly higher	
2011	205	52.4	45.3	39.1 - 51.5	Statistically significantly higher	
2012	215	54.5	47.7	41.3 - 54.1	Statistically significantly higher	
2013	226	56.8	48.2	41.9 - 54.5	Statistically significantly higher	
2014	273	68.2	56.0	49.3 - 62.6	Statistically significantly higher	
Weymouth - Annual Average	196	50.4	44.9	43.3 - 46.5	Statistically significantly higher	

State Wide

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals
2000	14,325	33.6	33.2	32.7 - 33.7
2001	13,320	31.1	30.4	29.9 - 30.9
2002	13,140	30.5	29.5	29.0 - 30.0
2003	12,983	30.0	28.8	28.3 - 29.3
2004	12,259	28.2	26.8	26.3 - 27.3
2005	12,749	29.2	27.7	27.2 - 28.2
2006	12,615	28.8	27.0	26.5 - 27.5
2007	12,588	28.6	26.9	26.4 - 27.4
2008	15,338	34.7	32.3	31.8 - 32.8
2009	15,821	35.7	32.9	32.4 - 33.4
2010	15,846	35.6	32.8	32.3 - 33.3
2011	16,757	37.1	33.7	33.2 - 34.2
2012	15,218	33.3	29.8	29.3 - 30.3
2013	14,074	30.4	26.9	26.5 - 27.3
2014	13,271	28.4	25.0	24.6 - 25.4
Statewide - Annual Average	**14,020**	**31.7**	**29.6**	**29.5 - 29.7**

Age Adjusted Rates of Hospital Admission for COPD per 10,000 People,
for Males and Females Combined for 2000 - 2014 by Community

· COPD rates are only calculated among people 25 years of age and older.

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· 95% confidence intervals are calculated using the age adjusted rate when it is displayed in the report.

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Age Adjusted Rates of Emergency Department Visits for COPD per 10,000 People,
for Males and Females Combined for 2002 - 2014 by Community

Braintree

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2002	174	71.7	62.6	53.3 - 71.9	Not statistically significantly different	
2003	158	64.8	55.3	46.7 - 64.0	Statistically significantly lower	
2004	193	78.7	68.7	59.0 - 78.4	Not statistically significantly different	
2005	191	77.5	68.0	58.4 - 77.7	Not statistically significantly different	
2006	149	60.2	51.0	42.8 - 59.2	Statistically significantly lower	
2007	166	66.7	56.4	47.8 - 64.9	Not statistically significantly different	
2008	191	76.4	66.4	57.0 - 75.8	Not statistically significantly different	
2009	208	82.8	69.6	60.2 - 79.1	Not statistically significantly different	
2010	206	81.6	70.9	61.2 - 80.6	Not statistically significantly different	
2011	221	86.4	72.8	63.2 - 82.4	Not statistically significantly different	
2012	199	76.7	63.3	54.5 - 72.1	Not statistically significantly different	
2013	192	73.1	64.2	55.1 - 73.3	Not statistically significantly different	
2014	165	62.2	54.4	46.1 - 62.7	Not statistically significantly different	
Braintree - Annual Average	186	73.8	63.4	60.8 - 65.9	Statistically significantly lower	

Hingham

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2002	71	51.3	46.4	35.6 - 57.2	Statistically significantly lower	
2003	60	42.8	37.6	28.1 - 47.1	Statistically significantly lower	
2004	69	48.6	41.7	31.9 - 51.6	Statistically significantly lower	
2005	81	56.4	45.0	35.2 - 54.8	Statistically significantly lower	
2006	58	40.0	33.7	25.0 - 42.4	Statistically significantly lower	
2007	50	34.0	26.6	19.3 - 34.0	Statistically significantly lower	
2008	93	62.6	45.3	36.1 - 54.5	Statistically significantly lower	
2009	80	53.2	40.6	31.7 - 49.5	Statistically significantly lower	
2010	87	57.2	44.5	35. - 53.9	Statistically significantly lower	
2011	80	52.0	36.7	28.7 - 44.7	Statistically significantly lower	
2012	72	46.4	33.2	25.5 - 40.8	Statistically significantly lower	
2013	69	43.9	26.8	20. - 33.1	Statistically significantly lower	
2014	58	36.5	27.2	20.2 - 34.2	Statistically significantly lower	
Hingham - Annual Average	71	48.0	37.3	34.9 - 39.7	Statistically significantly lower	

Quincy

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2002	515	77.8	76.3	69.7 - 82.9	Statistically significantly higher	
2003	509	76.5	73.9	67.5 - 80.3	Statistically significantly higher	
2004	521	77.9	76.2	69.6 - 82.7	Statistically significantly higher	
2005	500	74.4	72.6	66.3 - 79.0	Not statistically significantly different	
2006	459	67.9	67.1	61.0 - 73.3	Not statistically significantly different	
2007	455	67.0	64.7	58.7 - 70.7	Not statistically significantly different	
2008	547	80.1	77.1	70.7 - 83.6	Not statistically significantly different	
2009	571	83.2	80.1	73.5 - 86.6	Not statistically significantly different	
2010	545	79.1	75.4	69.1 - 81.7	Statistically significantly higher	
2011	594	84.9	81.6	75.0 - 88.2	Statistically significantly higher	
2012	608	85.6	82.3	75.8 - 88.9	Statistically significantly higher	

2013	575	80.0	75.9	69.7 - 82.1	Statistically significantly higher	
2014	515	70.8	66.1	60.4 - 71.8	Not statistically significantly different	
Quincy - Annual Average	532	77.3	74.6	72.8 - 76.3	Statistically significantly higher	

Weymouth

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2002	399	103.4	99.6	89.8 - 109.4	Statistically significantly higher	
2003	341	88.3	84.7	75.7 - 93.7	Statistically significantly higher	
2004	353	91.4	87.4	78.3 - 96.5	Statistically significantly higher	
2005	394	101.9	98.3	88.6 - 108.0	Statistically significantly higher	
2006	285	73.7	69.3	61.3 - 77.4	Not statistically significantly different	
2007	302	78.1	74.0	65.7 - 82.4	Statistically significantly higher	
2008	432	111.7	105.2	95.2 - 115.1	Statistically significantly higher	
2009	400	103.4	98.1	88.5 - 107.8	Statistically significantly higher	
2010	384	99.2	92.1	82.9 - 101.3	Statistically significantly higher	
2011	399	102.0	94.0	84.8 - 103.2	Statistically significantly higher	
2012	413	104.6	96.0	86.7 - 105.2	Statistically significantly higher	
2013	455	114.3	103.5	93.9 - 113.0	Statistically significantly higher	
2014	472	118.0	103.6	94.3 - 113.0	Statistically significantly higher	
Weymouth - Annual Average	387	99.3	92.8	90.2 - 95.3	Statistically significantly higher	

State Wide

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals
2002	29,312	68.1	66.8	66.0 - 67.6
2003	29,104	67.3	66.0	65.2 - 66.8
2004	26,543	61.1	59.7	59.0 - 60.4
2005	29,834	68.4	66.5	65.7 - 67.3
2006	29,913	68.3	66.2	65.4 - 67.0
2007	29,095	66.2	63.7	63.0 - 64.4
2008	33,188	75.2	72.1	71.3 - 72.9
2009	33,996	76.7	73.3	72.5 - 74.1
2010	32,047	72.0	68.2	67.5 - 68.9
2011	34,243	75.9	71.4	70.6 - 72.2
2012	34,073	74.6	70.0	69.3 - 70.7
2013	32,275	69.8	64.6	63.9 - 65.3
2014	31,486	67.4	62.3	61.6 - 63.0
Statewide - Annual Average	**31,162**	**70.1**	**67.0**	**66.8 - 67.2**

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Age Adjusted Rates of Hospital Admission for Myocardial Infarction per 10,000 People Age 35+, for Males and Females Combined for 2000 - 2014 by Community

Braintree

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	112	56.9	48.2	39.3 - 57.1	Not statistically significantly different	
2001	145	73.1	61.3	51.3 - 71.3	Not statistically significantly different	
2002	107	53.6	46.4	37.6 - 55.2	Not statistically significantly different	
2003	132	65.6	54.7	45.3 - 64.0	Not statistically significantly different	
2004	114	56.3	47.2	38.5 - 55.9	Not statistically significantly different	
2005	103	50.5	42.0	33.9 - 50.0	Not statistically significantly different	
2006	133	64.8	55.3	45.9 - 64.7	Statistically significantly higher	
2007	102	49.4	41.1	33.1 - 49.1	Not statistically significantly different	
2008	120	57.7	47.6	39.1 - 56.2	Statistically significantly higher	
2009	93	44.4	36.1	28.8 - 43.5	Not statistically significantly different	
2010	88	41.8	34.9	27.6 - 42.1	Not statistically significantly different	
2011	88	41.2	35.8	28.3 - 43.2	Not statistically significantly different	
2012	86	39.8	32.8	25.9 - 39.8	Not statistically significantly different	
2013	76	34.8	28.5	22.1 - 34.9	Not statistically significantly different	
2014	53	24.0	20.5	15.0 - 26.1	Not statistically significantly different	
Braintree - Annual Average	103	49.9	42.2	40.1 - 44.3	Statistically significantly higher	

Hingham

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	62	52.9	52.2	39.2 - 65.2	Not statistically significantly different	
2001	43	36.0	34.3	24.0 - 44.5	Statistically significantly lower	
2002	46	37.8	33.9	24.1 - 43.7	Statistically significantly lower	
2003	61	49.3	44.8	33.6 - 56.1	Not statistically significantly different	
2004	48	38.1	34.6	24.8 - 44.4	Statistically significantly lower	
2005	49	38.3	32.1	23.1 - 41.1	Not statistically significantly different	
2006	49	37.6	30.1	21.6 - 38.5	Statistically significantly lower	
2007	51	38.5	30.7	22.2 - 39.1	Not statistically significantly different	
2008	46	34.2	28.2	20.1 - 36.4	Not statistically significantly different	
2009	52	38.0	28.6	20.9 - 36.4	Not statistically significantly different	
2010	41	29.5	22.5	15.6 - 29.4	Statistically significantly lower	
2011	43	30.6	23.7	16.6 - 30.8	Not statistically significantly different	
2012	36	25.4	15.4	10.4 - 20.4	Statistically significantly lower	
2013	42	29.4	19.3	13.5 - 25.2	Statistically significantly lower	
2014	46	31.9	19.6	14.0 - 25.3	Not statistically significantly different	
Hingham -Annual Average	48	36.1	30.0	27.8 - 32.2	Statistically significantly lower	

Quincy

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	302	62.7	54.1	48.0 - 60.2	Not statistically significantly different	
2001	307	63.3	54.4	48.3 - 60.5	Not statistically significantly different	
2002	290	59.3	51.4	45.5 - 57.3	Not statistically significantly different	
2003	306	62.1	54.3	48.2 - 60.4	Not statistically significantly different	
2004	280	56.4	48.9	43.1 - 54.6	Not statistically significantly different	
2005	261	52.2	44.8	39.3 - 50.2	Not statistically significantly different	

2006	283	56.2	49.9	44.0 - 55.7	Statistically significantly higher	
2007	256	50.5	43.7	38.4 - 49.1	Statistically significantly higher	
2008	281	55.0	47.2	41.7 - 52.8	Statistically significantly higher	
2009	236	45.9	40.8	35.6 - 46.0	Statistically significantly higher	
2010	235	45.3	40.5	35.3 - 45.7	Statistically significantly higher	
2011	197	37.5	33.3	28.7 - 38.0	Not statistically significantly different	
2012	190	35.6	30.4	26.1 - 34.7	Not statistically significantly different	
2013	167	30.9	27.9	23.7 - 32.1	Not statistically significantly different	
2014	148	27.1	23.5	19.7 - 27.3	Not statistically significantly different	
Quincy -Annual Average	249	48.9	43.0	41.6 - 44.4	Statistically significantly higher	

Weymouth

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals	Statistical Difference	Stability
2000	160	52.8	50.1	42.3 - 57.8	Not statistically significantly different	
2001	175	57.4	54.9	46.8 - 63.0	Not statistically significantly different	
2002	183	59.8	56.1	48.0 - 64.2	Not statistically significantly different	
2003	226	73.5	69.6	60.5 - 78.7	Statistically significantly higher	
2004	185	59.9	56.0	48.0 - 64.1	Statistically significantly higher	
2005	170	54.7	50.5	42.9 - 58.1	Statistically significantly higher	
2006	163	52.3	49.1	41.6 - 56.6	Statistically significantly higher	
2007	150	47.9	44.7	37.6 - 51.9	Not statistically significantly different	
2008	159	50.5	45.7	38.6 - 52.9	Statistically significantly higher	
2009	138	43.6	40.5	33.8 - 47.3	Not statistically significantly different	
2010	111	34.9	32.0	26.0 - 37.9	Not statistically significantly different	
2011	121	37.8	34.4	28.3 - 40.5	Not statistically significantly different	
2012	133	41.2	37.4	31.0 - 43.7	Statistically significantly higher	
2013	117	36.0	32.2	26.3 - 38.0	Not statistically significantly different	
2014	97	29.6	26.0	20.8 - 31.2	Not statistically significantly different	
Weymouth -Annual Average	153	48.6	45.3	43.4 - 47.1	Statistically significantly higher	

State Wide

Year	Case Count	Crude Rate	Age Adjusted Rate	Confidence Intervals
2000	17,513	52.4	50.8	50.0 - 51.6
2001	17,817	52.9	50.9	50.2 - 51.6
2002	18,022	53.1	50.7	50.0 - 51.4
2003	18,269	53.4	50.8	50.1 - 51.5
2004	16,392	47.5	45.2	44.5 - 45.9
2005	15,346	44.2	41.5	40.8 - 42.2
2006	14,688	42	39.7	39.1 - 40.3
2007	14,116	40	37.4	36.8 - 38.0
2008	13,647	38.4	35.9	35.3 - 36.5
2009	13,128	36.7	34	33.4 - 34.6
2010	12,900	35.8	32.9	32.3 - 33.5
2011	12,214	33.6	30.7	30.2 - 31.2
2012	12,181	33.2	30.2	29.7 - 30.7
2013	11,090	29.9	26.8	26.3 - 27.3
2014	10,442	27.9	24.7	24.2 - 25.2

Age Adjusted Rates of Hospital Admission for Myocardial Infarction per 10,000 People Age 35+, for Males and Females Combined for 2000 - 2014 by Community

Statewide -Annual Average	**14,518**	**41.1**	**38.81**	**38.7 - 39.0**

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· 95% confidence intervals are calculated using the age adjusted rate when it is displayed in the report.

· NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is ≤10.

· 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the "rule of three." This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero.

· Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates.

· Data source: Center for Health Information and Statistics (CHIA)

· Population estimates for 2000 and 2010 are from the U.S. Decennial Census. Inter-censal year estimates for 2001 through 2009 were created by linear interpolation of U.S. Decennial Census data. Post-censal year estimates for 2011 to present were created by the UMass Donahue Institute.

Braintree

Year	Case Count	Total Live Singleton Term Births	Percent	Confidence Intervals	Statistical Difference	Stability
2000	7	365	1.9	0.5 - 3.3	Not statistically significantly different	Unstable
2001	8	360	2.2	0.7 - 3.7	Not statistically significantly different	Unstable
2002	8	380	2.1	0.7 - 3.6	Not statistically significantly different	Unstable
2003	6	370	1.6	0.3 - 2.9	Not statistically significantly different	Unstable
2004	NS	337	NS	NS	NS	Unstable
2005	NS	334	NS	NS	NS	Unstable
2006	9	369	2.4	0.9 - 4.0	Not statistically significantly different	Unstable
2007	9	372	2.4	0.9 - 4.0	Not statistically significantly different	Unstable
2008	8	345	2.3	0.7 - 3.9	Not statistically significantly different	Unstable
2009	5	373	1.3	0.2 - 2.5	Not statistically significantly different	Unstable
2010	NS	326	NS	NS	NS	Unstable
2011	5	356	1.4	0.2 - 2.6	Not statistically significantly different	Unstable
2012	10	357	2.8	1.1 - 4.5	Not statistically significantly different	Unstable
2013	7	362	1.9	0.5 - 3.4	Not statistically significantly different	Unstable
2014	6	339	1.8	0.4 - 3.2	Not statistically significantly different	Unstable
2015	9	373	2.4	0.9 - 4.0	Not statistically significantly different	Unstable
Braintree- Annual Average	6.5	357.4	1.8	1.5 - 2.2	Not statistically significantly different	

Hingham

Year	Case Count	Total Live Singleton Term Births	Percent	Confidence Intervals	Statistical Difference	Stability
2000	NS	259	NS	NS	NS	Unstable
2001	0	221	0.0	0 - 2.9	Statistically significantly lower	Unstable
2002	6	247	2.4	0.5 - 4.4	Not statistically significantly different	Unstable
2003	NS	238	NS	NS	NS	Unstable
2004	NS	226	NS	NS	NS	Unstable
2005	NS	226	NS	NS	NS	Unstable
2006	NS	213	NS	NS	NS	Unstable
2007	NS	198	NS	NS	NS	Unstable
2008	0	207	0.0	0 - 3.0	Statistically significantly lower	Unstable
2009	0	208	0.0	0 - 3.0	Statistically significantly lower	Unstable
2010	0	177	0.0	0 - 3.6	Statistically significantly lower	Unstable
2011	NS	212	NS	NS	NS	Unstable
2012	NS	184	NS	NS	NS	Unstable
2013	0	214	0.0	0 - 3.0	Statistically significantly lower	Unstable
2014	NS	175	NS	NS	NS	Unstable
2015	NS	206	NS	NS	NS	Unstable
Hingham- Annual Average	1.9	213.2	0.9	0.6 - 1.2	Statistically significantly lower	Unstable

Quincy

Year	Case Count	Total Live Singleton Term Births	Percent	Confidence Intervals	Statistical Difference	Stability
2000	21	1,016	2.1	1.2 - 2.9	Not statistically significantly different	
2001	17	1,027	1.7	0.9 - 2.4	Not statistically significantly different	
2002	19	1,053	1.8	1.0 - 2.6	Not statistically significantly different	

2003	24	1,077	2.2	1.4 - 3.1	Not statistically significantly different	
2004	18	1,044	1.7	0.9 - 2.5	Not statistically significantly different	
2005	22	1,016	2.2	1.3 - 3.1	Not statistically significantly different	
2006	19	1,033	1.8	1.0 - 2.7	Not statistically significantly different	
2007	18	1,078	1.7	0.9 - 2.4	Not statistically significantly different	
2008	35	1,179	3.0	2.0 - 3.9	Not statistically significantly different	
2009	20	1,135	1.8	1.0 - 2.5	Not statistically significantly different	
2010	20	1,098	1.8	1.0 - 2.6	Not statistically significantly different	
2011	25	1,128	2.2	1.4 - 3.0	Not statistically significantly different	
2012	21	1,119	1.9	1.0 - 2.7	Not statistically significantly different	
2013	20	1,128	1.8	1.0 - 2.5	Not statistically significantly different	
2014	28	1,075	2.6	1.7 - 3.6	Not statistically significantly different	
2015	30	1,100	2.7	1.8 - 3.7	Not statistically significantly different	
Qunicy- Annual Average	22.3	1,082	2.1	1.9 - 2.3	Not statistically significantly different	

Weymouth

Year	Case Count	Total Live Singleton Term Births	Percent	Confidence Intervals	Statistical Difference	Stability
2000	16	667	2.4	1.2 - 3.6	Not statistically significantly different	
2001	9	619	1.5	0.5 - 2.4	Not statistically significantly different	Unstable
2002	19	620	3.1	1.7 - 4.4	Not statistically significantly different	
2003	14	652	2.1	1.0 - 3.3	Not statistically significantly different	
2004	7	625	1.1	0.3 - 2.0	Not statistically significantly different	Unstable
2005	7	618	1.1	0.3 - 2.0	Statistically significantly lower	Unstable
2006	12	570	2.1	0.9 - 3.3	Not statistically significantly different	
2007	9	643	1.4	0.5 - 2.3	Not statistically significantly different	Unstable
2008	8	586	1.4	0.4 - 2.3	Not statistically significantly different	Unstable
2009	7	563	1.2	0.3 - 2.2	Not statistically significantly different	Unstable
2010	11	571	1.9	0.8 - 3.0	Not statistically significantly different	Unstable
2011	14	596	2.3	1.1 - 3.6	Not statistically significantly different	
2012	14	561	2.5	1.2 - 3.8	Not statistically significantly different	
2013	9	554	1.6	0.6 - 2.7	Not statistically significantly different	Unstable
2014	13	591	2.2	1.0 - 3.4	Not statistically significantly different	
2015	12	580	2.1	0.9 - 3.2	Not statistically significantly different	
Weymouth- Annual Average	11.3	601	1.9	1.6 - 2.2	Not statistically significantly different	Unstable

Statewide

Year	Case Count	Total Live Singleton Term Births	Percent	Confidence Intervals
2000	1,399	71,377	2.0	1.9 - 2.1
2001	1,502	72,311	2.1	2.0 - 2.2
2002	1,491	71,662	2.1	2.0 - 2.2
2003	1,403	70,930	2.0	1.9 - 2.1
2004	1,383	69,382	2.0	1.9 - 2.1
2005	1,430	67,988	2.1	2.0 - 2.2
2006	1,556	68,987	2.3	2.1 - 2.4
2007	1,561	69,362	2.3	2.1 - 2.4
2008	1,466	68,224	2.1	2.0 - 2.3

2009	1,398	66,443	2.1	2.0 - 2.2
2010	1,459	65,024	2.2	2.1 - 2.4
2011	1,407	63,370	2.2	2.1 - 2.3
2012	1,407	63,604	2.2	2.1 - 2.3
2013	1,344	63,691	2.1	2.0 - 2.2
2014	1,364	64,128	2.1	2.0 - 2.2
2015	1,392	64,090	2.2	2.0 - 2.3
Statewide - Annual Average	**1,435**	**67,536**	**2.1**	**2.1 - 2.2**

· Low birthweight means a singleton, term birth <2500 grams.

· Full term means a clinical estimate of gestational age >=37 weeks.

· U or Unstable indicates that a rate is unstable, because it has a relative standard error > 30%, and should be interpreted with caution.

· NS = Not shown. Statistics are suppressed to protect confidentiality when the number of cases is between 1 and 4 and the numerator is <1200

· 95% confidence intervals represent the precision of the estimates shown. When zero cases are observed in a population, the upper 95% confidence limit is calculated using a method known as the "rule of three." This method calls for substituting a three for the number of cases when calculating the upper 95% confidence interval in order to produce a more accurate upper bound when the observed case count is zero.

· Numbers and rates may differ slightly from those contained in other publications. These differences may be due to file updates, differences in calculating rates and updates in population estimates.

· Data source: Massachusetts Registry of Vital Records and Statistics

Statistical Significance of Cancer Incidence Compared to Statewide During 2006 to 2010								
	Braintree		Hingham		Quincy		Weymouth	
	Males	Females	Males	Females	Males	Females	Males	Females
Bladder, Urinary	No Difference	No Difference	Lower	No Difference	No Difference	No Difference	No Difference	No Difference
Brain and Other Nervous System	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Breast	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Cervix Uteri	N/A	No Difference	N/A	No Difference	N/A	No Difference	N/A	No Difference
Colon/Rectum	No Difference	No Difference	No Difference	No Difference	**Higher**	No Difference	No Difference	No Difference
Esophagus	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Hodgkin Lymphoma	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Kidney & Renal Pelvis	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Larynx	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Leukemia	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Liver & Intrahepatic Bile Duct	No Difference	No Difference	No Difference	No Difference	**Higher**	No Difference	No Difference	No Difference
Lung & Bronchus	No Difference	**Higher**	Lower	No Difference	No Difference	**Higher**	No Difference	**Higher**
Melanoma of Skin	No Difference	**Higher**	**Higher**	**Higher**	No Difference	No Difference	No Difference	No Difference
Multiple Myeloma	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Non-Hodgkin Lymphoma	No Difference	No Difference	No Difference	**Higher**	No Difference	No Difference	No Difference	No Difference
Oral Cavity & Pharynx	No Difference	No Difference	No Difference	No Difference	**Higher**	No Difference	No Difference	No Difference
Ovary	N/A	No Difference	N/A	No Difference	N/A	No Difference	N/A	No Difference
Pancreas	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Prostate	No Difference	N/A	No Difference	N/A	Lower	N/A	Lower	N/A
Stomach	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Testis	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Thyroid	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Uteri Corpus and Uterus	N/A	No Difference	N/A	No Difference	N/A	No Difference	N/A	No Difference
All Sites/Types	**Higher**	**Higher**	Lower	No Difference	No Difference	No Difference	No Difference	No Difference

Statistical Significance of Cancer Incidence Compared to Statewide During 2011 to 2015								
	Braintree		Hingham		Quincy		Weymouth	
	Males	Females	Males	Females	Males	Females	Males	Females
Bladder, Urinary	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	**Higher**
Brain and Other Nervous System	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Breast	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Cervix Uteri	N/A	No Difference	N/A	No Difference	N/A	**Higher**	N/A	No Difference
Colon/Rectum	No Difference	**Higher**	No Difference	No Difference	**Higher**	No Difference	No Difference	No Difference
Esophagus	No Difference	No Difference	No Difference	**Higher**	No Difference	No Difference	No Difference	No Difference
Hodgkin Lymphoma	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Kidney & Renal Pelvis	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Larynx	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	**Higher**	No Difference
Leukemia	Lower	No Difference	No Difference	No Difference	Lower	No Difference	No Difference	No Difference
Liver & Intrahepatic Bile Duct	No Difference	No Difference	No Difference	No Difference	**Higher**	No Difference	No Difference	No Difference
Lung & Bronchus	No Difference	No Difference	Lower	No Difference	**Higher**	**Higher**	**Higher**	No Difference
Melanoma of Skin	No Difference	No Difference	**Higher**	**Higher**	No Difference	No Difference	No Difference	**Higher**
Multiple Myeloma	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Non-Hodgkin Lymphoma	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Oral Cavity & Pharynx	No Difference	No Difference	No Difference	No Difference	**Higher**	No Difference	No Difference	No Difference
Ovary	N/A	No Difference	N/A	No Difference	N/A	No Difference	N/A	No Difference
Pancreas	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Prostate	No Difference	N/A	No Difference	N/A	No Difference	N/A	No Difference	N/A
Stomach	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Testis	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Thyroid	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference	No Difference
Uteri Corpus and Uterus	N/A	No Difference	N/A	No Difference	N/A	No Difference	N/A	No Difference
All Sites/Types	No Difference	No Difference	No Difference	No Difference	**Higher**	**Higher**	No Difference	No Difference

Provisional Data: The 2011-2015 Massachusetts cancer incidence data for cities and towns are provisional and subject to revision until they have been thoroughly reviewed for final approval.

Cancer Incidence

Observed and Expected Case Counts, with Standardized Incidence Ratios, 2006-2010

Braintree

	Obs	Exp	SIR	95% CI
Bladder, Urinary				
Male	52	40.1	129.8	(96.9-170.2)
Female	20	17	117.8	(71.9-182.0)
Brain and Other Nervous System				
Male	10	7.3	136.4	(65.3-250.8)
Female	10	7.1	140.5	(67.3-258.4)
Breast				
Male	0	1.2	nc	(nc-nc)
Female	163	164.3	99.2	(84.6-115.7)
Cervix Uteri				
Female	6	5.9	102.5	(37.4-223.0)
Colon / Rectum				
Male	53	45.8	115.8	(86.8-151.5)
Female	66	55.3	119.3	(92.3-151.8)
Esophagus				
Male	16	10.4	153.3	(87.6-249.0)
Female	3	3.6	nc	(nc-nc)
Hodgkin Lymphoma				
Male	2	2.9	nc	(nc-nc)
Female	1	2.8	nc	(nc-nc)
Kidney & Renal Pelvis				
Male	21	20.8	100.8	(62.4-154.1)
Female	16	13.9	114.9	(65.6-186.6)
Larynx				
Male	2	6	nc	(nc-nc)
Female	4	2	nc	(nc-nc)
Leukemia				
Male	15	14.7	102.3	(57.2-168.7)
Female	11	12.8	86	(42.9-153.9)
Liver and Intrahepatic Bile Ducts				
Male	15	11.8	127.2	(71.2-209.9)
Female	4	4.8	nc	(nc-nc)
Lung and Bronchus				
Male	84	73.3	114.6	(91.4-141.9)
Female	107	86.7	123.4	(101.1-149.1)

	Obs	Exp	SIR	95% CI
Melanoma of Skin				
Male	34	25.5	133.4	(92.4-186.4)
Female	33	22.6	146.1	(100.5-205.1)
Multiple Myeloma				
Male	8	6.8	117.1	(50.4-230.8)
Female	9	6.4	140.4	(64.1-266.6)
Non-Hodgkin Lymphoma				
Male	23	22.5	102.1	(64.7-153.2)
Female	20	21.7	92	(56.1-142.0)
Oral Cavity & Pharynx				
Male	18	15.8	114	(67.6-180.3)
Female	9	8.5	105.4	(48.1-200.1)
Ovary				
Female	18	15.3	117.5	(69.6-185.6)
Pancreas				
Male	6	12.9	46.5	(17.0-101.3)
Female	17	16.8	101	(58.8-161.7)
Prostate				
Male	149	149.5	99.7	(84.3-117.0)
Stomach				
Male	16	9.2	173.8	(99.3-282.3)
Female	9	6.7	134.2	(61.2-254.7)
Testis				
Male	5	4.4	114.8	(37.0-268.0)
Thyroid				
Male	8	8.3	96.3	(41.5-189.8)
Female	38	27.9	136.2	(96.3-186.9)
Uteri Corpus and Uterus, NOS				
Female	42	37.5	112	(80.7-151.4)
All Sites / Types				
Male	597	529.5	112.7	(103.9-122.2)
Female	659	587.8	112.1	(103.7-121.0)

- Obs = observed case count; Exp = expected case count;
- SIR = standardized incidence ratio ((Obs / Exp) X 100);
- 95% CI = 95% confidence intervals, a measure of the statistical significance of the SIR;
- Shading indicates the statistical significance of the SIR at 95% level of probability;
- nc = The SIR and 95% CI were not calculated when Obs < 5;

Cancer Incidence

Observed and Expected Case Counts, with Standardized Incidence Ratios, 2006-2010

Hingham

	Obs	Exp	SIR	95% CI
Bladder, Urinary				
Male	11	28.7	38.4	(19.1-68.7)
Female	10	10.8	92.2	(44.1-169.6)
Brain and Other Nervous System				
Male	0	5	nc	(nc-nc)
Female	4	4.6	nc	(nc-nc)
Breast				
Male	0	0.9	nc	(nc-nc)
Female	104	106.3	97.9	(80.0-118.6)
Cervix Uteri				
Female	1	3.7	nc	(nc-nc)
Colon / Rectum				
Male	28	32.7	85.7	(56.9-123.8)
Female	39	35.8	109.1	(77.6-149.1)
Esophagus				
Male	6	7.5	80	(29.2-174.2)
Female	2	2.3	nc	(nc-nc)
Hodgkin Lymphoma				
Male	1	1.8	nc	(nc-nc)
Female	2	1.6	nc	(nc-nc)
Kidney & Renal Pelvis				
Male	11	14.7	74.8	(37.3-133.9)
Female	13	8.9	146.5	(77.9-250.5)
Larynx				
Male	3	4.3	nc	(nc-nc)
Female	0	1.3	nc	(nc-nc)
Leukemia				
Male	10	10.4	95.8	(45.9-176.2)
Female	9	8.2	109.6	(50.0-208.1)
Liver and Intrahepatic Bile Ducts				
Male	5	8.4	59.8	(19.3-139.5)
Female	1	3.1	nc	(nc-nc)
Lung and Bronchus				
Male	35	51.8	67.5	(47.0-93.9)
Female	48	54.6	87.8	(64.8-116.5)
Melanoma of Skin				
Male	46	17.8	257.9	(188.8-344.0)
Female	27	14.3	189.3	(124.7-275.5)
Multiple Myeloma				
Male	3	4.8	nc	(nc-nc)
Female	4	4.1	nc	(nc-nc)
Non-Hodgkin Lymphoma				
Male	13	15.8	82.4	(43.9-141.0)
Female	24	13.9	172.9	(110.7-257.3)
Oral Cavity & Pharynx				
Male	7	11.3	62	(24.8-127.7)
Female	8	5.5	145.3	(62.6-286.4)
Ovary				
Female	11	9.9	111.3	(55.5-199.2)
Pancreas				
Male	6	9.2	64.9	(23.7-141.4)
Female	12	10.8	111.5	(57.5-194.7)
Prostate				
Male	114	107.9	105.7	(87.2-127.0)
Stomach				
Male	3	6.6	nc	(nc-nc)
Female	1	4.3	nc	(nc-nc)
Testis				
Male	3	2.5	nc	(nc-nc)
Thyroid				
Male	7	5.6	124.3	(49.8-256.2)
Female	25	17.4	144	(93.1-212.5)
Uteri Corpus and Uterus, NOS				
Female	25	24.3	102.9	(66.6-152.0)
All Sites / Types				
Male	336	376.5	89.2	(79.9-99.3)
Female	402	376.5	106.8	(96.6-117.7)

- Obs = observed case count; Exp = expected case count;
- SIR = standardized incidence ratio ((Obs / Exp) X 100);
- 95% CI = 95% confidence intervals, a measure of the statistical significance of the SIR;
- Shading indicates the statistical significance of the SIR at 95% level of probability;
- nc = The SIR and 95% CI were not calculated when Obs < 5;

Cancer Incidence

Observed and Expected Case Counts, with Standardized Incidence Ratios, 2006-2010

Quincy

	Obs	Exp	SIR	95% CI
Bladder, Urinary				
Male	89	96.2	92.6	(74.3-113.9)
Female	42	40.5	103.7	(74.8-140.2)
Brain and Other Nervous System				
Male	16	18.6	86	(49.1-139.6)
Female	10	17.6	56.9	(27.2-104.6)
Breast				
Male	2	3	nc	(nc-nc)
Female	360	397.8	90.5	(81.4-100.3)
Cervix Uteri				
Female	19	15.2	124.9	(75.1-195.0)
Colon / Rectum				
Male	136	111.7	121.8	(102.2-144.0)
Female	151	132.8	113.7	(96.3-133.4)
Esophagus				
Male	32	25.6	125	(85.5-176.5)
Female	13	8.5	153.5	(81.7-262.6)
Hodgkin Lymphoma				
Male	6	8.7	69	(25.2-150.1)
Female	7	7.6	92.2	(36.9-190.0)
Kidney & Renal Pelvis				
Male	59	51.9	113.8	(86.6-146.8)
Female	33	33.6	98.4	(67.7-138.1)
Larynx				
Male	19	14.8	128.4	(77.3-200.5)
Female	6	4.9	122.8	(44.8-267.3)
Leukemia				
Male	28	35.7	78.5	(52.2-113.5)
Female	33	30.9	106.8	(73.5-150.0)
Liver and Intrahepatic Bile Ducts				
Male	59	29.6	199.7	(152.0-257.5)
Female	12	11.4	105.5	(54.5-184.3)
Lung and Bronchus				
Male	200	175.7	113.8	(98.6-130.7)
Female	250	206	121.4	(106.8-137.4)

	Obs	Exp	SIR	95% CI
Melanoma of Skin				
Male	60	64.2	93.4	(71.3-120.2)
Female	65	57.1	113.9	(87.9-145.1)
Multiple Myeloma				
Male	16	16.7	95.8	(54.7-155.7)
Female	10	15.3	65.4	(31.3-120.2)
Non-Hodgkin Lymphoma				
Male	45	56	80.3	(58.6-107.4)
Female	65	52.6	123.6	(95.4-157.5)
Oral Cavity & Pharynx				
Male	61	39.9	152.7	(116.8-196.2)
Female	23	20.7	111	(70.3-166.5)
Ovary				
Female	41	37.4	109.8	(78.8-148.9)
Pancreas				
Male	32	31.2	102.6	(70.2-144.8)
Female	40	40.1	99.7	(71.2-135.8)
Prostate				
Male	322	366.9	87.8	(78.4-97.9)
Stomach				
Male	30	22.4	133.9	(90.3-191.1)
Female	14	16.1	86.9	(47.5-145.9)
Testis				
Male	9	15	59.9	(27.3-113.7)
Thyroid				
Male	14	22.3	62.7	(34.2-105.2)
Female	80	74	108.1	(85.7-134.6)
Uteri Corpus and Uterus, NOS				
Female	100	90.6	110.3	(89.8-134.2)
All Sites / Types				
Male	1335	1304.8	102.3	(96.9-108.0)
Female	1495	1426.7	104.8	(99.5-110.2)

- Obs = observed case count; Exp = expected case count;
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- 95% CI = 95% confidence intervals, a measure of the statistical significance of the SIR;
- Shading indicates the statistical significance of the SIR at 95% level of probability;
- nc = The SIR and 95% CI were not calculated when Obs < 5;

Cancer Incidence

Observed and Expected Case Counts, with Standardized Incidence Ratios, 2006-2010

Weymouth

	Obs	Exp	SIR	95% CI
Bladder, Urinary				
Male	54	61.9	87.2	(65.5-113.7)
Female	28	23.6	118.6	(78.8-171.5)
Brain and Other Nervous System				
Male	16	11.6	138.2	(78.9-224.4)
Female	14	10.5	133.6	(73.0-224.2)
Breast				
Male	1	1.9	nc	(nc-nc)
Female	235	243.4	96.5	(84.6-109.7)
Cervix Uteri				
Female	12	9.1	132.4	(68.3-231.2)
Colon / Rectum				
Male	69	72.2	95.6	(74.4-121.0)
Female	88	76.9	114.4	(91.7-140.9)
Esophagus				
Male	22	16.2	135.9	(85.1-205.7)
Female	2	5	nc	(nc-nc)
Hodgkin Lymphoma				
Male	7	4.9	144.1	(57.7-296.9)
Female	3	4.2	nc	(nc-nc)
Kidney & Renal Pelvis				
Male	38	32.5	116.9	(82.7-160.5)
Female	26	20.2	128.5	(83.9-188.3)
Larynx				
Male	10	9.4	106.5	(51.0-195.8)
Female	3	3	nc	(nc-nc)
Leukemia				
Male	21	22.9	91.7	(56.8-140.2)
Female	14	18.1	77.2	(42.1-129.5)
Liver and Intrahepatic Bile Ducts				
Male	17	18.8	90.3	(52.6-144.6)
Female	6	6.8	88.3	(32.3-192.3)
Lung and Bronchus				
Male	118	112	105.4	(87.2-126.2)
Female	154	123	125.2	(106.2-146.7)
Melanoma of Skin				
Male	35	40.1	87.3	(60.8-121.5)
Female	38	33.6	113	(80.0-155.2)
Multiple Myeloma				
Male	12	10.7	112	(57.8-195.7)
Female	11	9	121.9	(60.8-218.2)
Non-Hodgkin Lymphoma				
Male	45	35.4	127	(92.6-170.0)
Female	32	31	103.2	(70.6-145.7)
Oral Cavity & Pharynx				
Male	34	25.1	135.3	(93.7-189.1)
Female	13	12.4	104.8	(55.7-179.2)
Ovary				
Female	26	22.4	115.8	(75.6-169.7)
Pancreas				
Male	21	19.9	105.3	(65.2-161.0)
Female	23	23.3	98.9	(62.6-148.3)
Prostate				
Male	196	231.8	84.5	(73.1-97.2)
Stomach				
Male	13	14.4	90.3	(48.0-154.4)
Female	4	9.2	nc	(nc-nc)
Testis				
Male	5	7.7	64.7	(20.8-150.9)
Thyroid				
Male	15	13.3	112.6	(63.0-185.8)
Female	52	43.8	118.7	(88.7-155.7)
Uteri Corpus and Uterus, NOS				
Female	46	55.9	82.3	(60.2-109.7)
All Sites / Types				
Male	813	826.5	98.4	(91.7-105.4)
Female	892	852.2	104.7	(97.9-111.8)

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Braintree

	Obs	Exp	SIR	95% CI
Bladder, Urinary				
Male	41	40.5	101.3	(72.7-137.5)
Female	17	17.3	98.5	(57.4-157.8)
Brain and Other Nervous System				
Male	5	7.5	66.5	(21.4-155.2)
Female	7	7.2	96.8	(38.8-199.5)
Breast				
Male	0	1.4	nc	(nc-nc)
Female	194	175.3	110.6	(95.6-127.4)
Cervix Uteri				
Female	6	5.7	105.7	(38.6-230.0)
Colon / Rectum				
Male	46	41.8	109.9	(80.5-146.6)
Female	64	49.2	130.1	(100.2-166.2)
Esophagus				
Male	9	9.9	90.7	(41.4-172.2)
Female	6	3.3	182.3	(66.6-396.8)
Hodgkin Lymphoma				
Male	6	2.9	207.7	(75.8-452.0)
Female	4	2.6	nc	(nc-nc)
Kidney & Renal Pelvis				
Male	25	22.5	111.3	(72.0-164.3)
Female	12	14.4	83.6	(43.2-146.1)
Larynx				
Male	4	5.7	nc	(nc-nc)
Female	4	2	nc	(nc-nc)
Leukemia				
Male	8	16.2	49.5	(21.3-97.4)
Female	17	13.7	124.1	(72.3-198.8)
Liver and Intrahepatic Bile Ducts				
Male	16	13.8	116.2	(66.4-188.7)
Female	4	5.5	nc	(nc-nc)
Lung and Bronchus				
Male	66	69.5	95	(73.5-120.9)
Female	88	86.9	101.3	(81.3-124.8)
Melanoma of Skin				
Male	26	25.6	101.5	(66.3-148.8)
Female	23	22.5	102.4	(64.9-153.7)
Multiple Myeloma				
Male	7	8.2	85.6	(34.3-176.4)
Female	3	7.8	nc	(nc-nc)
Non-Hodgkin Lymphoma				
Male	21	22.7	92.6	(57.3-141.6)
Female	20	22.9	87.4	(53.4-135.0)
Oral Cavity & Pharynx				
Male	20	18.4	108.6	(66.3-167.7)
Female	10	9.8	101.6	(48.6-186.8)
Ovary				
Female	16	15.3	104.3	(59.6-169.5)
Pancreas				
Male	14	14.7	95.2	(52.0-159.7)
Female	19	18.2	104.6	(62.9-163.3)
Prostate				
Male	120	114.1	105.2	(87.2-125.8)
Stomach				
Male	9	9.4	96.1	(43.9-182.5)
Female	7	7	100.5	(40.2-207.0)
Testis				
Male	6	5.5	109.8	(40.1-239.1)
Thyroid				
Male	10	10.1	99.4	(47.6-182.8)
Female	29	31.2	93	(62.2-133.5)
Uteri Corpus and Uterus, NOS				
Female	48	38.7	123.9	(91.4-164.3)
All Sites / Types				
Male	500	501.4	99.7	(91.2-108.9)
Female	651	608	107.1	(99.0-115.6)

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- nc = The SIR and 95% CI were not calculated when Obs < 5;

Hingham

	Obs	Exp	SIR	95% CI
Bladder, Urinary				
Male	32	31.5	101.6	(69.5-143.4)
Female	12	11.8	101.6	(52.4-177.5)
Brain and Other Nervous System				
Male	8	5.2	154	(66.3-303.6)
Female	5	4.7	105.7	(34.1-246.7)
Breast				
Male	1	1	nc	(nc-nc)
Female	108	119.5	90.4	(74.1-109.1)
Cervix Uteri				
Female	3	3.6	nc	(nc-nc)
Colon / Rectum				
Male	35	31.8	110.2	(76.7-153.2)
Female	36	33.8	106.6	(74.6-147.5)
Esophagus				
Male	2	7.3	nc	(nc-nc)
Female	7	2.3	311.1	(124.6-640.9)
Hodgkin Lymphoma				
Male	2	1.7	nc	(nc-nc)
Female	1	1.4	nc	(nc-nc)
Kidney & Renal Pelvis				
Male	16	16.3	97.9	(55.9-159.0)
Female	7	9.8	71.5	(28.6-147.3)
Larynx				
Male	2	4.2	nc	(nc-nc)
Female	0	1.4	nc	(nc-nc)
Leukemia				
Male	14	12	116.6	(63.7-195.6)
Female	14	9.3	151.3	(82.6-253.9)
Liver and Intrahepatic Bile Ducts				
Male	2	9.9	nc	(nc-nc)
Female	1	3.8	nc	(nc-nc)
Lung and Bronchus				
Male	28	52.9	52.9	(35.2-76.5)
Female	46	59.6	77.2	(56.5-103.0)
Melanoma of Skin				
Male	34	19.1	178.4	(123.5-249.3)
Female	31	14.8	208.9	(141.9-296.5)
Multiple Myeloma				
Male	7	6.1	115.5	(46.3-238.0)
Female	5	5.4	92.4	(29.8-215.6)
Non-Hodgkin Lymphoma				
Male	14	16.7	83.6	(45.7-140.3)
Female	21	15.5	135.5	(83.8-207.1)
Oral Cavity & Pharynx				
Male	14	13.3	105.4	(57.6-176.9)
Female	6	6.8	88.8	(32.4-193.3)
Ovary				
Female	9	10.5	85.8	(39.2-163.0)
Pancreas				
Male	9	11.2	80.4	(36.7-152.7)
Female	14	12.6	111.4	(60.8-186.8)
Prostate				
Male	93	83.8	110.9	(89.5-135.9)
Stomach				
Male	12	7.1	168.6	(87.0-294.5)
Female	1	4.7	nc	(nc-nc)
Testis				
Male	6	3.1	193.1	(70.5-420.2)
Thyroid				
Male	4	6.8	nc	(nc-nc)
Female	22	19.4	113.3	(71.0-171.6)
Uteri Corpus and Uterus, NOS				
Female	19	26.9	70.6	(42.5-110.2)
All Sites / Types				
Male	368	372.3	98.8	(89.0-109.5)
Female	395	412.8	95.7	(86.5-105.6)

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- nc = The SIR and 95% CI were not calculated when Obs < 5;

Quincy

	Obs	Exp	SIR	95% CI
Bladder, Urinary				
Male	100	95.9	104.3	(84.9-126.9)
Female	35	36	97.2	(67.7-135.2)
Brain and Other Nervous System				
Male	19	18.8	100.8	(60.7-157.4)
Female	17	16.2	105	(61.1-168.1)
Breast				
Male	5	3.4	149.1	(48.1-348.0)
Female	400	389.7	102.6	(92.8-113.2)
Cervix Uteri				
Female	21	12.8	164.7	(101.9-251.8)
Colon / Rectum				
Male	125	100.6	124.3	(103.5-148.1)
Female	103	102.4	100.6	(82.1-122.0)
Esophagus				
Male	23	24	95.9	(60.8-143.9)
Female	8	6.9	115.7	(49.8-227.9)
Hodgkin Lymphoma				
Male	10	8.2	122.5	(58.7-225.4)
Female	10	7.1	140.5	(67.3-258.4)
Kidney & Renal Pelvis				
Male	53	55.1	96.2	(72.1-125.9)
Female	34	31.7	107.1	(74.2-149.7)
Larynx				
Male	18	14	128.4	(76.1-202.9)
Female	4	4.4	nc	(nc-nc)
Leukemia				
Male	23	39.2	58.6	(37.1-88.0)
Female	30	29.2	102.6	(69.2-146.5)
Liver and Intrahepatic Bile Ducts				
Male	57	33.6	169.6	(128.4-219.7)
Female	17	11.9	142.5	(83.0-228.2)
Lung and Bronchus				
Male	237	167.4	141.6	(124.1-160.8)
Female	241	188.2	128	(112.4-145.3)
Melanoma of Skin				
Male	57	62.1	91.8	(69.6-119.0)
Female	55	50	110	(82.9-143.2)
Multiple Myeloma				
Male	14	19.7	71.1	(38.9-119.4)
Female	14	16.6	84.5	(46.1-141.7)
Non-Hodgkin Lymphoma				
Male	50	55.1	90.7	(67.3-119.5)
Female	57	49	116.4	(88.2-150.9)
Oral Cavity & Pharynx				
Male	61	45.2	135	(103.3-173.4)
Female	29	21.6	134.2	(89.9-192.7)
Ovary				
Female	34	34.3	99	(68.6-138.4)
Pancreas				
Male	30	35.4	84.9	(57.2-121.1)
Female	29	37.4	77.5	(51.9-111.3)
Prostate				
Male	257	281.8	91.2	(80.4-103.1)
Stomach				
Male	30	22.5	133.5	(90.0-190.5)
Female	17	14.3	118.6	(69.0-189.9)
Testis				
Male	17	16.2	105.2	(61.3-168.5)
Thyroid				
Male	36	25.7	140.2	(98.2-194.2)
Female	65	74.2	87.5	(67.6-111.6)
Uteri Corpus and Uterus, NOS				
Female	87	89	97.8	(78.3-120.6)
All Sites / Types				
Male	1316	1222	107.7	(102.0-113.7)
Female	1406	1330.3	105.7	(100.2-111.4)

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- Shading indicates the statistical significance of the SIR at 95% level of probability;
- nc = The SIR and 95% CI were not calculated when Obs < 5;

Weymouth

	Obs	Exp	SIR	95% CI
Bladder, Urinary				
Male	68	59.9	113.5	(88.1-143.9)
Female	37	25.1	147.3	(103.7-203.0)
Brain and Other Nervous System				
Male	9	11.4	78.8	(36.0-149.6)
Female	10	11	91.1	(43.6-167.5)
Breast				
Male	0	2.1	nc	(nc-nc)
Female	290	279.3	103.8	(92.2-116.5)
Cervix Uteri				
Female	1	8.8	nc	(nc-nc)
Colon / Rectum				
Male	70	62.5	112.1	(87.3-141.6)
Female	68	70.3	96.7	(75.1-122.6)
Esophagus				
Male	19	15.1	125.7	(75.7-196.4)
Female	8	5	161.3	(69.4-317.8)
Hodgkin Lymphoma				
Male	6	4.5	133.9	(48.9-291.5)
Female	2	4.1	nc	(nc-nc)
Kidney & Renal Pelvis				
Male	36	34.7	103.7	(72.6-143.5)
Female	28	22.4	125.2	(83.2-180.9)
Larynx				
Male	17	8.8	192.4	(112.0-308.0)
Female	3	3.1	nc	(nc-nc)
Leukemia				
Male	18	24.2	74.4	(44.1-117.7)
Female	14	19.8	70.7	(38.6-118.6)
Liver and Intrahepatic Bile Ducts				
Male	20	21.2	94.5	(57.7-145.9)
Female	9	8.4	107	(48.8-203.1)
Lung and Bronchus				
Male	134	106.1	126.3	(105.9-149.6)
Female	154	133.1	115.7	(98.2-135.5)

	Obs	Exp	SIR	95% CI
Melanoma of Skin				
Male	43	38.7	111	(80.3-149.5)
Female	53	34.3	154.7	(115.9-202.4)
Multiple Myeloma				
Male	12	12.4	97	(50.1-169.5)
Female	6	11.8	51	(18.6-110.9)
Non-Hodgkin Lymphoma				
Male	40	34.2	116.9	(83.5-159.2)
Female	29	34.4	84.3	(56.4-121.0)
Oral Cavity & Pharynx				
Male	27	28.4	94.9	(62.5-138.1)
Female	23	15.2	150.9	(95.6-226.4)
Ovary				
Female	22	23.9	91.9	(57.6-139.1)
Pancreas				
Male	18	22.2	81.2	(48.1-128.3)
Female	22	26.1	84.1	(52.7-127.4)
Prostate				
Male	162	178.7	90.6	(77.2-105.7)
Stomach				
Male	14	14.1	99.5	(54.4-167.0)
Female	7	10	70.3	(28.2-144.9)
Testis				
Male	10	8.5	117.6	(56.3-216.4)
Thyroid				
Male	14	15.6	89.6	(48.9-150.4)
Female	44	49.4	89	(64.7-119.5)
Uteri Corpus and Uterus, NOS				
Female	71	64.9	109.5	(85.5-138.1)
All Sites / Types				
Male	813	764	106.4	(99.2-114.0)
Female	959	934.4	102.6	(96.2-109.3)

- Obs = observed case count; Exp = expected case count;
- SIR = standardized incidence ratio ((Obs / Exp) X 100);
- 95% CI = 95% confidence intervals, a measure of the statistical significance of the SIR;
- Shading indicates the statistical significance of the SIR at 95% level of probability;
- nc = The SIR and 95% CI were not calculated when Obs < 5;